PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference PCT 21521Y	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/US2004/035838	International filing date (day/month/year) 27 October 2004 (27.10.2004)	Priority date (day/month/year) 31 October 2003 (31.10.2003)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant MERCK & CO., INC.				

1.	This international preliminary r International Searching Authori	report on patentability (Chapter I) is issued by the International Bureau on behalf of the ity under Rule 44 bis. 1(a).			
2.	This REPORT consists of a total of 6 sheets, including this cover sheet.				
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
3.	This report contains indications	relating to the following items:			
	Box No. I	Basis of the report			
	Box No. II	Priority			
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
4.		ommunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority			

Date of issuance of this report 01 May 2006 (01.05.2006) Authorized officer The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Nora Lindner Facsimile No. +41 22 740 14 35 Telephone No. +41 22 338 89 65

Form PCT/IB/373 (January 2004)

REED DE SEP AND PATENT COOPERATION TRE From the INTERNATIONAL SEARCHING AUTHORITY PATRICIA A. SHATYNSKI MERK & CO., INC. 126 EAST LINCOLN AVENUE WRITTEN OPINION OF THE RAHWAY, NJ 07065-0907 INPERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below PCT 21521Y Priority date (day/month/year) International filing date (day/month/year) International application No. 31 October 2003 (31.10.2003) 27 October 2004 (27.10.2004) PCT/US04/35838 International Patent Classification (IPC) or both national classification and IPC IPC(7): A61K 31/473, 31/4985, 31/519, 31/53; C07D 401/06, 401/14 and US Cl.: 514/284, 258, 250, 248, 243; 546/77; 544/350, 256, 236, 184 Applicant MERCK & CO., INC. 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Authorized offic Name and mailing address of the ISA/ US

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Form PCT/ISA/237 (cover sheet) (January 2004)

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Commissioner for Patents P.O. Box 1450

International application	No.
PCT/US04/35838	

Box No. I Basis of this opinion
 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

Form PCT/ISA/237(Box No. I) (January 2004)

International application No.
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Box No. III Non-establishment of opinion with regard to novelty, inv	
 The questions whether the claimed invention appears to be novel, to involve an industrially applicable have not been examined in respect of: 	inventive step (to be non-obvious), or to be
the entire international application	
claims Nos. <u>15</u>	
because:	
the said international application, or the said claim Nos relate to require an international preliminary examination (specify):	the following subject matter which does not
	,
the description, claims or drawings (indicate particular elements below) meaningful opinion could be formed (specify):	or said claims Nos. <u>15</u> are so unclear that no
Claim 15 is indefinite since compounds are missing in the claim	1.
	ļ
the claims, or said claims Nos are so inadequately supported by the be formed.	e description that no meaningful opinion could
no international search report has been established for said claims Nos	
the nucleotide and/or amino acid sequence listing does not comply with Administrative Instructions in that:	h the standard provided for in Annex C of the
the written form has not been furnished	
does not comply with the	e standard
the computer readable form has not been furnished does not comply with the	e standard
the tables related to the nucleotide and/or amino acid sequence listing, if	in computer readable form only, do not comply
with the technical requirements provided for in Annex C-bis of the Admi See Supplemental Box for further details.	

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International application No. PCT/US04/35838

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Box No. V Reasoned statement under Rule applicability; citatious and expla			ntive step or industrial
1. Statement			
Novelty (N)	Claims 1-	·14, 16-36	YES
-		ONE	
Inventive step (IS)	Claims 1-	14, 16-36	YES
- '	Claims No	ONE	NO
Industrial applicability (IA)	Claims 1-	14, 16-36	YES
	Claims NO	ONE	No
2. Citations and explanations:			
Claims 1-14 and 16-36 meet the criteria set out in I instant compounds of formula I, pharmaceutical con	CT Article 33(2)-((3), because the prior art does no	ot teach or fairly suggest the
instant compounds of formula 1, pharmaceutical con	npositions contain	ing tiese compounds and a med	tou or using mese compounds.
Claims 1-14 and 16-36 meet the criteria set out in E claimed can be made or used in industry.	CT Article 33(4),	and thus have industrial applica	bility because the subject matter
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Form PCT/ISA/237 (Box No. V) (January 2004)

International application No.

PCT/US04/35838

DOX 110. VIII. CC1 till CD501 (W102) TT	
The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims ar	e fully
supported by the description, are made:	-

Claim 15 is objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claim 15 is indefinite for the following reason(s): Compounds are missing in the claim.

Form PCT/ISA/237 (Box No. VIII) (January 2004)